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CURRENT RESEARCH

José Félix Kukielka's main research interests are: Wideband access to private networks; Quality of Service in Wireless networks; Service-aware Wireless Routing and Wireless Protocol Optimization for High-throughput Data and Voice.

BRIEF RESUME

Jose Felix Kukielka is a Senior Researcher and the Engineering Department Manager at IMDEA Networks. He is also the Technical Director of REDIMadrid, the Telematics Research Networks of the Comunidad de Madrid, and a part time lecturer at the Telematics Department of the [University Carlos III of Madrid](#) (UC3M) (Madrid, Spain). From 2003 until 2007, he worked at the UC3M as *Ramón y Cajal* Researcher. He obtained his undergraduate degree at the [Universidad Nacional Autónoma de México](#) (Federal District, Mexico) in 1972, and went on to complete the M.Sc. and Ph.D. degrees, both at the [University of California, Berkeley](#) (Berkeley, USA).

He has been the Technical Director of REDIMadrid since 2007. REDIMadrid was created in 2003. It is a regional research high-speed network for education and research institutions based in the Madrid Region. The program contributes to the consolidation of a dedicated, high-performance telecommunications infrastructure for its scientific community. Such infrastructure eases and promotes collaborative work, the establishment of eminent working groups and participation in national and international networks.

José Félix Kukielka has 23 years of industrial experience in designing, manufacturing and marketing communications products and Radio Frequency for the semiconductor and telecommunications industries.

Throughout his career, he has worked in both academia and industry, working for [Grupo AIA](#) (Spain), [Alcatel](#) España, Philips Consumer Communications (Le Mans, France), and [Avantek, Inc.](#) (California, USA).

He was elected Associate Member of the Technical Team for Alcatel-Lucent Technical Academy (*ALTA*). This is an intra-company international organization that recognizes, rewards and maintains key personnel who make exceptional contributions to the technical leadership of Alcatel.

He is the creator of the “Kukielka Configuration”, a topology for microwave monolithic integrated circuit amplifiers with multiple feedback loops that is characterized by an excellent gain-bandwidth product, implemented successfully in several semiconductor technologies.